



coatings



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The field of thin films has undergone significant developments in recent decades. Besides the multiple applications of thin films, increasing competence can be observed with regard to tailoring the film microstructure using composition and deposition parameters. This Special Issue contains cutting-edge research and review articles regarding the preparation and characterization of materials with excellent properties, as well as the related modelling approaches. The papers published in this Special Issue cover a wide range of topics, including high-entropy alloys, hard materials, effects of additives on structures and properties, and the identification of Magnéli phases. Computer modelling of magnetic properties and optical modelling of dielectric function are also represented in this volume. The reader can find strong indications of the importance of extending existing knowledge through the exploration of the mechanisms of the ongoing processes via in situ monitoring.



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