Special Issue

Preparation and Applications of Functional Inorganic Coatings, Glass, Ceramics

Message from the Guest Editors

Functional coating materials are a kind of material prepared by changing the chemical composition or organizational structure of the substrate surface through chemical and physical methods. According to the action principle or performance, it can be divided into electrical functions (such as conductive coating, insulating coating, anti-static coating, radio wave absorption coating, etc.); magnetic functions; light functions (such as luminescent coating, fluorescent coating, phosphorescent coating, camouflage coating, wave selective absorption coating, etc.); sound wave functions; mechanical physical functions (such as thick film coating, lubricating coating, anti-slip coating, anti-condensation coating, anti-icing coating, atomic ash, etc.); thermal functions (such as heat-resistant coating, fireproof coating, temperature indicating coating, ablation coating, heat reflection coating ,etc.); These materials have various new characteristics, such as conductivity, heat conduction, insulation, flame retardant, shading, antibacterial, and so on. Therefore, they are widely used in various industrial systems.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.
Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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