

Recent Advances in Functional Surfaces and Interfaces

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Message from the Guest Editors

Surfaces and interfaces, as one of the most active cross-disciplinary topics, have been intensively investigated in recent years on account of their fundamental and technological importance. The surface of a material presents a significant portion of the workable area, which has a great influence on the relevant physical, electrical, and chemical properties. Surfaces and their relationships with the environment often dictate how an engineering system performs. Current strategies in surface science and engineering mainly focus on creating a functional surface with designed physical/chemical features. Moreover, interfaces play an increasingly important role in many fields of technology, e.g., the automotive sector, technical textiles, and in the oil industry. Obviously, the functionalization of surfaces and interfaces is critical to many commercial products and manufacturing processes, and it is also key to all aspects of our collective prosperity and welfare.



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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.

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