

Special Issue

2D Vertical Heterostructures with Covalent Interlayer Bonding

Message from the Guest Editor

Innovative developments in the field of two-dimensional (2D) nanoelectromechanical, nanoelectronic and photovoltaic systems have led to the need to integrate two-dimensional materials with each other. "Splicing" of two-dimensional materials, apart from the trivial case of lateral contacts, is provided mainly by electrostatic dipole forces known as van der Waals (vdW) interaction. To date, several dozen types of such heterostructures have been created and investigated, and they have already shown a huge potential for the development of this direction of nanotechnology.

Guest Editor

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Message from the Editor-in-Chief

Surfaces and interfaces are ubiquitous, and their relevance in Chemistry, Physics, Catalysis, Materials Science & Engineering, Nanoscience, Biology and Nanomedicine is nowadays well acknowledged. Similarly, surfaces cannot be neglected when targeting applications in many strategic fields, such as sensors, energy conversion and storage, environmental and food science, and medical devices.

Surfaces is a new Open Access journal that will provide rapid publication of scholarly articles on studies related to surfaces and interfaces. Its mission is to publish cutting edge articles and conference proceedings and organizing special issues to highlight outstanding research on specific topics, encouraging the application of a rigorous Surface Science-based approach to many complex interesting phenomena and breaking boundaries among different disciplines.

Editor-in-Chief

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