

Special Issue

Advances of Interfacial Optics

Message from the Guest Editor

The last two decades have witnessed innovative advances in optical science on surfaces and interfaces. New concepts, materials, and artificial structures that did not exist in the last century have been proposed, discovered, and created, and knowledge is being continually updated. Surface plasmon polaritons and surface nonlinear optics, which have been studied for a long time, are also becoming more and more attractive fields due to their interaction with new concepts, such as topological materials and meta-surfaces, that have appeared in this century. This Special Issue focuses on the effects, phenomena, and applications in which light plays an essential role at the interface between materials with different properties, one of which can be a vacuum. In optics, since the surface lacks spatial inversion symmetry, it brings about surface-specific effects, such as surface selection rules in spectroscopy, and the second-order nonlinear optical effect.

Guest Editor

Prof. Dr. Eiji Tokunaga

Department of Physics, Faculty of Science Division I, Tokyo University of Science, Shinjuku-ku, Tokyo 162-8601, Japan

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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