

Special Issue

State of the Art in Diffraction Grating: From Manufacturing to Spectroscopy Application

Message from the Guest Editors

As an important optical dispersion element, diffraction grating is mainly used in spectrometers to realize the dispersion of polychromatic light in its early application. In recent years, with the development of science and technology, the utility of grating has expanded, no longer being not limited to spectral analysis. Its other optical properties, such as beam splitting, polarization, phase matching, etc., have attracted the attention of scholars. The participation of leading scientists in this field is crucial to guiding society and new users of this technology towards a world transformed by diffraction grating. The scope of this issue covers the manufacturing technology of diffraction grating and its important applications in spectral analysis, optical holography, precision measurement, quantum optics, optical communication, information processing, laser energy modulation and other fields. We welcome submissions exploring cutting-edge research and recent advances in the fields of the diffraction grating and its application fields. Both theoretical and experimental studies are welcome, as well as comprehensive reviews and survey papers.

Guest Editors

Dr. Wenhao Li

Dr. Xiaotian Li

Prof. Dr. Qianqian Wang

Dr. Meizhen Huang

Deadline for manuscript submissions

closed (31 August 2022)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/114114

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

[mdpi.com/journal/
appls](https://mdpi.com/journal/appls)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)