

## Special Issue

# Ultrasensitive Photodetectors and Applications

### Message from the Guest Editor

In this Special Issue, we are interested in the research works on ultrasensitive photodetectors using emerging materials, or detectors with new designs. Also, new or special applications that require photosensors with a high sensitivity are within the scope of this Special Issue. Studies related to the lifetime and performance of new or conventional sensitive photodetectors will also be considered. The topics to be covered in this Special Issue are as follows:

- Phototransistors
- Photodiodes
- Photoresistors
- Rectana-based sensors
- Photoelectrochemical sensors
- Perovskite-based photosensors
- Graphene-based photodetectors
- Organic photosensors
- Reaction center-based photodetectors
- Photosynthetic materials for light detection
- Piezo-phonic sensors
- Broad and narrow bandwidth photodetectors
- Ultrasensitive photo-spectroscopy
- Night vision cameras
- Stability and lifetime of photosensors

Welcome to contribute.

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### Guest Editor

Prof. Dr. Arash Takshi

Department of Electrical Engineering, University of South Florida,  
Tampa, FL 33620, USA

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### Deadline for manuscript submissions

closed (1 March 2022)



## Electronics

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*Electronics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[electronics@mdpi.com](mailto:electronics@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di  
Torino, 10129 Torino, Italy

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).