Special Issue

Advances of Metal Halide Perovskite Devices

Message from the Guest Editors

Perovskite optoelectronics make up one of the most exhilarating directions in research today, and multidisciplinary collaborations are having an impact on energy technology. The topics covered here include materials synthesis, characterization and engineering, interface characterization and energy band engineering, solar cell device improvements, light-emitting diodes and photodetectors fabrication, discussions in crystals stability. In particular, we are interested in manuscripts detailing new solutions to improve the stability of different types of perovskites crystals compatible with established technologies. **Keywords:** Perovskite solar cell; Perovskite light-emitting diode; Perovskite laser; Perovskite photodetectors; Perovskite quantum dots; Surface/interface characterization based on perovskite; Stability; Perovskite optoelectronics; Perovskite crystal; Mixed halide perovskite **Discount: 200 CHF** (If you need more, please contact aries. gan@mdpi.com) We invite researchers to submit original research articles/review about perovskites to this Special Issue and bring the readers a cutting-edge view in this field!

Guest Editors

Dr. Wei-Chun Lin

Dr. Yi-Hsin Chien

Dr. Hsiang-Chiu Wu

Dr. Po-Kang Yang

Deadline for manuscript submissions

closed (20 April 2022)

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

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About the Journal

Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

Editor-in-Chief

Prof. Dr. Alessandra Toncelli
Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

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