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Organic Inorganic Hybrid Perovskite Solar Cells

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Deadline for manuscript submissions:
closed (21 June 2021)

Message from the Guest Editors

Dear Colleagues,

Organic–inorganic hybrid perovskite solar cells (PSCs) have been considered as promising candidates for the next generation of photovoltaics (PV). The power conversion efficiency (PCE) of a single junction PSC has achieved a maximum of 25.2% within only one decade, already rivaling other existing PV materials such as silicon and GaAs. The superior performance of PSC could be attributed to its long diffusion length, excellent absorption property, ad high defect tolerance, etc. While PSCs have inspired a new era for photovoltaic development, they have also exhibited severe environmental instability problems, i.e., their PCE decaying to nil within only days in ambient conditions, thereby limiting their applications.

This Special Issue focuses on recent developments in perovskite instability problems. We would like to invite you to submit your original research articles and reviews to this Special Issue.

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Special Issue

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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.

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