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Recent Advances in Thin-Film Solar Cells

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Message from the Guest Editors

Society is shifting towards renewable energy generation to minimize greenhouse gas emissions for better environmental conditions. Among all the renewable energy sources (wind, water, solar, etc.), photovoltaic (PV) technology is a promising approach to harvesting solar energy into electricity. Various types of photovoltaic technologies have been developed, among which thin-film solar cells (TFSCs) have achieved significant success among all other photovoltaic technologies because of their low processing cost, flexibility, and eco-friendly nature. The recent progress in thin-film solar cell (TFSC) technologies has broadened the possibility to employ eco-friendly photovoltaic (PV) technology for solar energy harvesting. This Special Issue will cover new topics that have arisen with the recent development of thin-film solar cell technologies. We welcome research and review papers, both experimental and theoretical, in areas concerning the development of highly efficient thin-film photovoltaics, as well as in associated fields.



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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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