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Recent Developments in Perovskite-Based Functional Materials

Guest Editors:

Dr. Chuang Han

Faculty of Materials Science and Chemistry, China University of Geosciences, Wuhan 430074, China

Dr. Lan Yuan

School of Chemistry and Chemical Engineering, Wuhan University of Science and Technology, Wuhan 430081 China

Dr. Bidyut Kundu

Department of Chemistry, University of Cincinnati, Cincinnati, OH 45221, USA

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Message from the Guest Editors

Dear Colleagues,

Over the past few years, the breakthroughs achieved by metal halide perovskites in the photovoltaic field have been regarded as the renaissance of perovskite-based materials. Inspired by the great success in solar cells, various applications have been extensively investigated on perovskite-based functional materials, such as lightemitting diodes, photodetectors, photocatalysis, and electrocatalysis. While the advances in currently emerging functional materials and applications related to perovskite have reached an exciting stage, understanding the structure-properties-applications interplay of perovskitebased hybrids is crucial to moving forward to the next stage. This Special Issue will assemble high-quality original research, reviews, and perspectives focused on the advances of perovskite-based materials, including, but not limited to, novel preparation methods, the unique working mechanisms and applications, and the new technology and characterization tools.













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Editor-in-Chief

Prof. Dr. Thomas J. Schmidt Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

Message from the Editor-in-Chief

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