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Advanced Luminescent Materials: Synthesis, Properties and Applications

Guest Editors:

Dr. Peng Tao

Department of Applied Biology and Chemical Technology, Hong Kong Polytechnic University, Hong Kong, China

Dr. Zejing Chen

Jiangxi Key Laboratory of Nanobiomaterials, East China Jiaotong University, Nanchang 330013, China

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Message from the Guest Editors

Dear Colleague,

Recently, novel advanced luminescent materials, including emitters (e.g., luminescent transition-metal complexes (LTMCs) and thermally activated delayed fluorescent (TADF) materials) and doublet emitters (e.g., organic radicals, rare-earth complexes), have played a the development advanced crucial role in of photofunctional materials. Owing to their diverse structural/molecular design, structural diversity, and rich photophysical properties, these luminescent materials have attracted extensive attention, and have been widely and wisely used in the fields of photocatalysis, electroluminescence, organic solar cells, biological sensing and imaging, photodynamic therapy, etc. Chemists can design and prepare a wide variety of photofunctional materials. Structural studies of these materials revealed the presence of novel photophysical phenomena, allowing a deeper understanding of the structure-property relationships and extending their potential applications. This Special Issue should become a timely status report summarizing and showcasing the fundamental progresses and practical advancements in recent years













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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, OC H3A 0C7, Canada

Message from the Editor-in-Chief

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