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Advances in Luminescent Materials and Devices

Guest Editor:

Prof. Dr. Bin Li
Changchun Institute of Optics Fine Mechanics and Physics Chinese Academy of Sciences, Changchun, China

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Message from the Guest Editor

Luminescent materials and their application in optoelectronic devices are drawing significant research interest owing to their wide application purpose and promising performance. In addition to the traditional luminescent materials such as pure organic dyes, transition metal complexes and rare-earth complexes, many novel luminescent materials have been developed and explored for applications in device construction and sensing, among other applications. For example, metal–organic frameworks (MOFs), covalent organic frameworks (COFs) and porous aromatic frameworks (POFs) have been widely reported. Their large conjugation structure endows them with luminescence features. In addition, their porous structure makes them excellent supporting hosts for other probes and nanoreactors, meaning that these framework materials can be widely developed and explored for versatile purposes. Further research attention has been localized on device construction in order to develop their practical applications, such as optical sensing, phototherapy, molecular sieving, catalysis and photovoltaics.

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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, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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