Special Issue

Advances in High-Performance Organic Light-Emitting Diode Materials: From Molecular Design to Device Engineering

Message from the Guest Editors

Organic light-emitting diodes (OLEDs) are among the most rapidly advancing technologies in modern optoelectronics, driven by the continuous development of high performance organic materials. This Special Issue aims to present state-of-the-art developments in OLED materials and their integration into efficient device architectures, aligning closely with the *Materials* journal scope in functional materials, optoelectronics, and structure–property relationships. Contributions are expected to span molecular design, synthesis, theoretical modeling, photophysical characterization, and device optimization, providing a focused yet comprehensive collection of high-quality articles. Original research papers and reviews are welcome. Research areas may include, but are not limited to, new emitter systems, host materials, charge-transport layers, sustainable synthetic approaches, and strategies for improving OLED device performance. We look forward to receiving your submissions.

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About the Journal

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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