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Glasses and Ceramics for Luminescence Applications (2nd Edition)

Guest Editor:

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Message from the Guest Editor

Luminescent glasses and ceramics are used in many applications, such as illumination, display, telecommunication, medical diagnosis, security checks, and other fields, playing many roles in our daily life, and development.

Different from phosphor also called as (opaque or normal) ceramics sometimes in terms of their polycrystalline character, luminescent blocks like glasses, transparent ceramics, and single crystals have excellent transparence and fewer defects, which is important for applications beyond illumination and display. Additionally glasses and ceramics are better than single crystals in terms of time and cost of fabrication as well as uniformity, variety, and high concentration.

The aim of this Special Issue is to focus on the latest developments in luminescent glasses and ceramics including novel structures, luminescent centers and mechanisms, architectures or frameworks of packaged devices, techniques, methods, and applications. We are mainly interested in advanced materials with excellent luminescent properties, but others that are useful for material developments such as novel designs for measurement, calculation, and unconventional application are also welcome.

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Message from the Editor-in-Chief

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