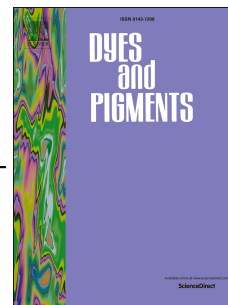


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A new series of *N*-substituted tetraphenylethene-based benzimidazoles: Aggregation-induced emission, fast-reversible mechanochromism and blue electroluminescence

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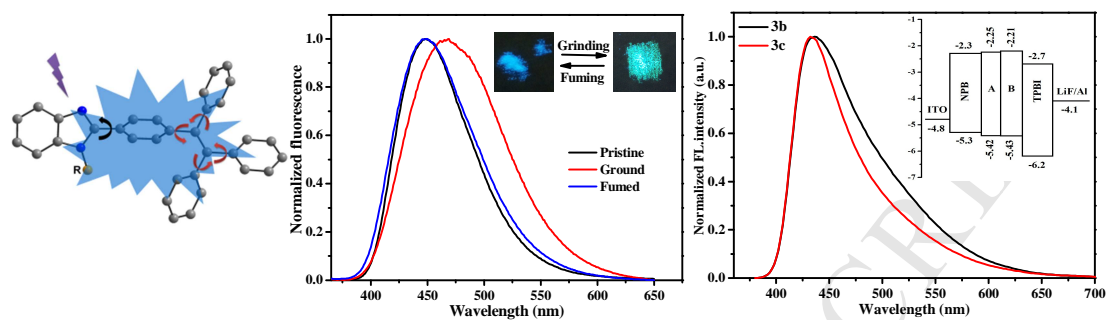
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A new series of *N*-substituted tetraphenylethene-based benzimidazoles were designed and synthesized. These compounds are blue fluorescence in crystalline state and show fast-reversible mechanochromism. Furthermore, both of non-doped OLED devices fabricated with compounds **3b** and **3c** as emitters are blue emission.



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