

Electronic Supplementary Information (ESI)

Arene effects on difluoroboron β -diketonate mechanochromic luminescence

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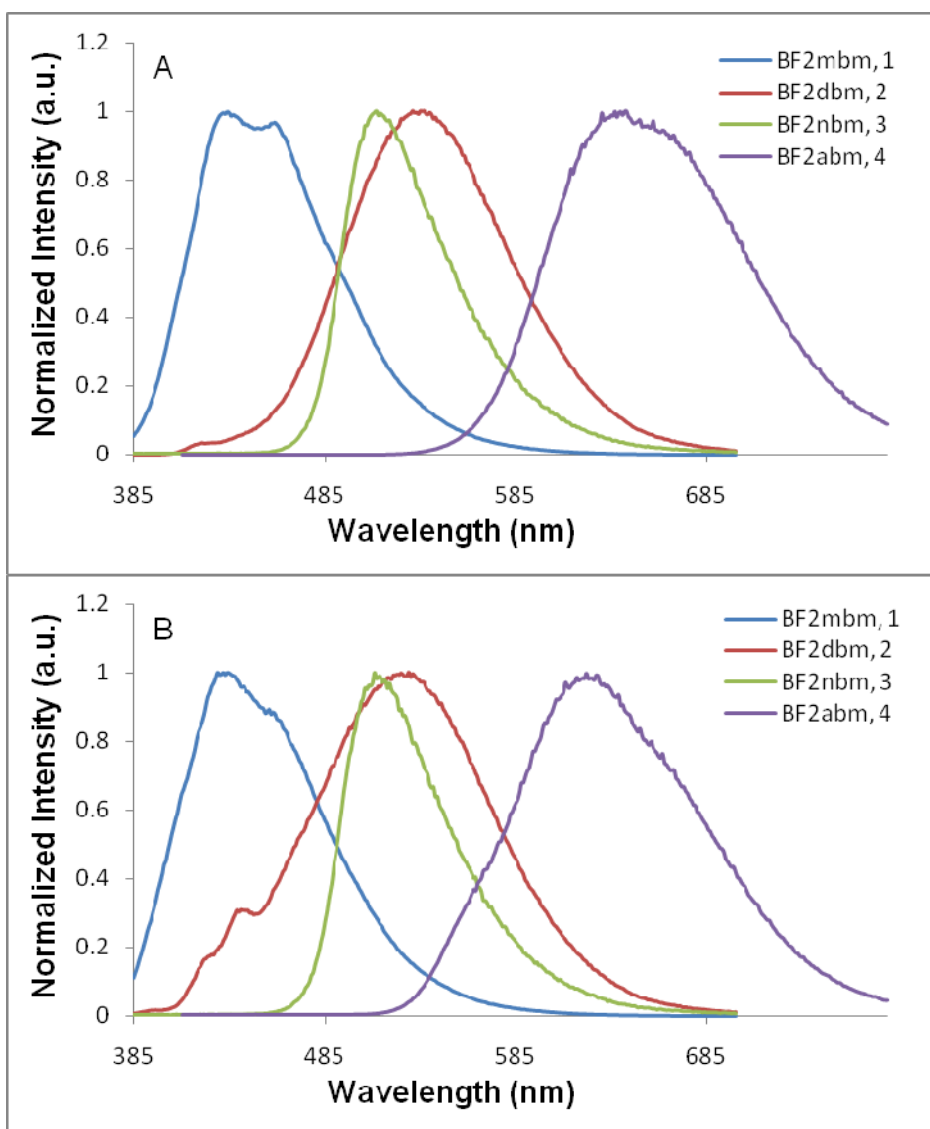


Fig. S1 Normalized solid-state emission spectra of **1-4** powders on quartz before (A) and after thermal annealing (B). **1-3**: λ_{ex} =369 nm; **4**: λ_{ex} =397 nm.

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Supplementary Material (ESI) for Journal of Materials Chemistry

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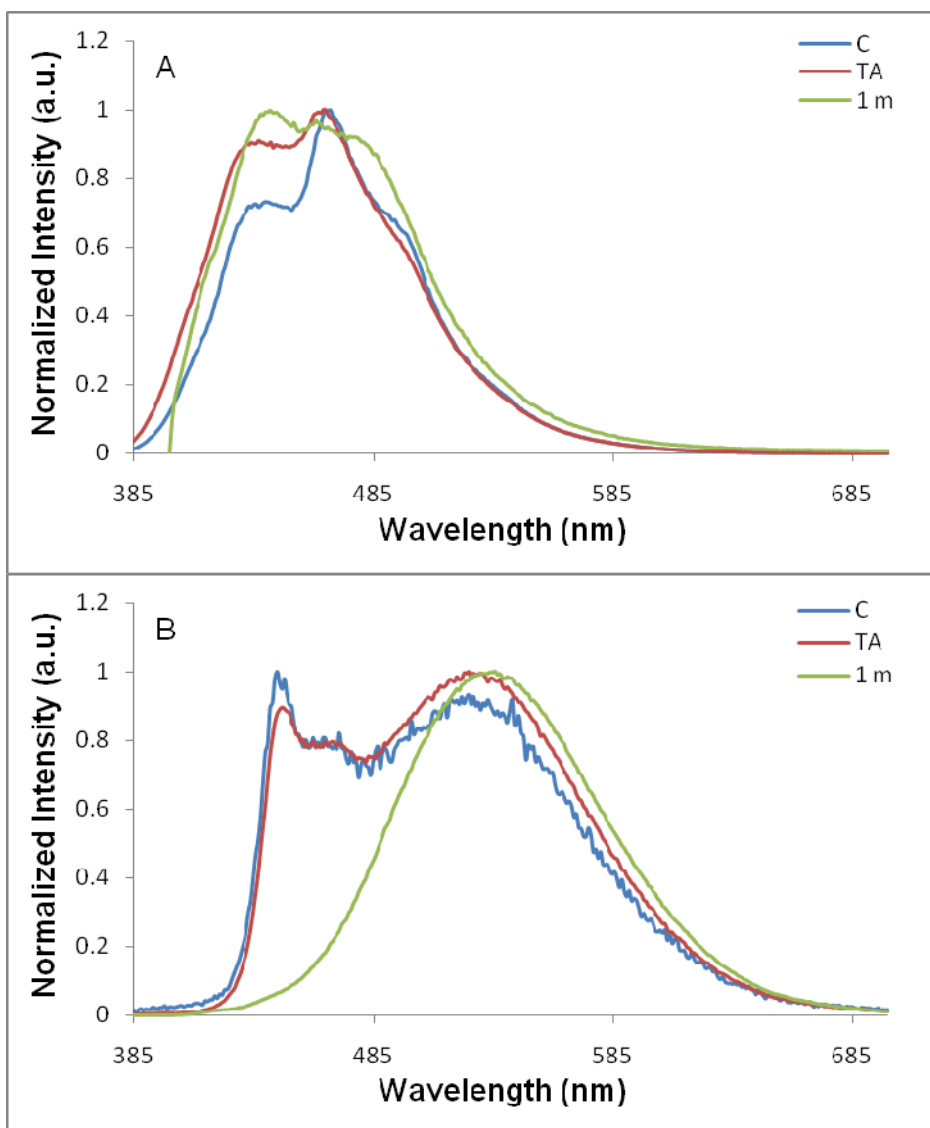
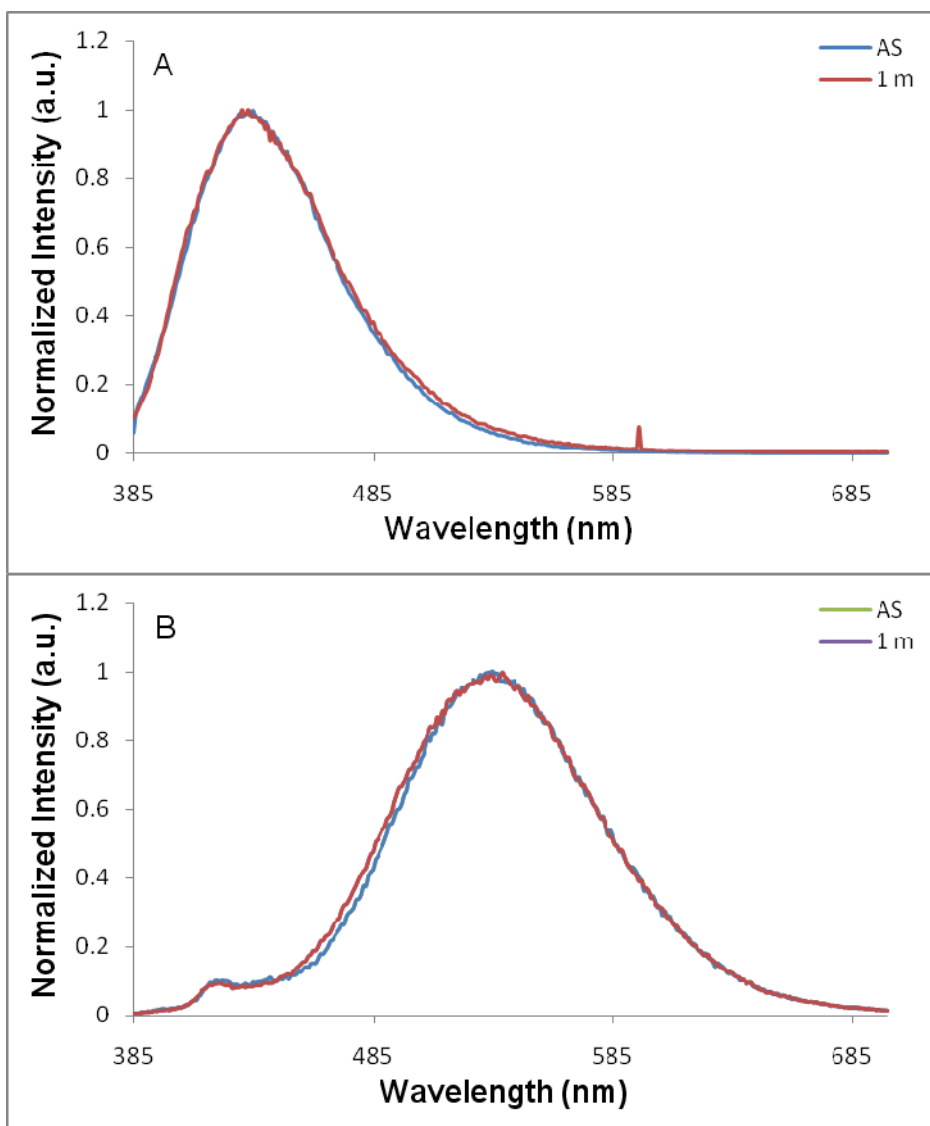


Fig. S2 Normalized emission spectra for crystals of BF₂mbm and BF₂dbm on quartz before (C) and after thermally annealing (TA), and ~1 minute after smearing (1 m) (λ_{ex} =369 nm).

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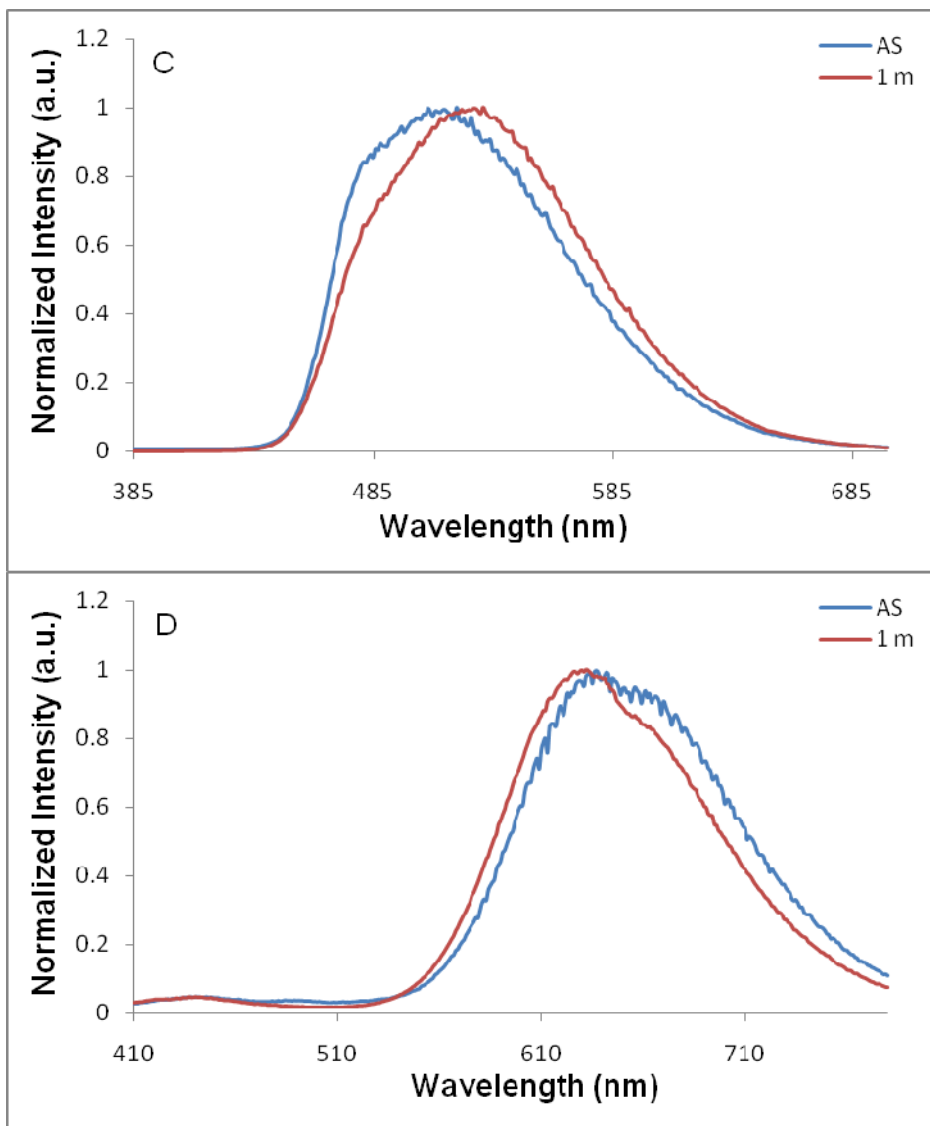


Fig. S3 Normalized emission spectra of spin-cast films of **1-4** on cover glass before (AS = as spun) and ~1 minute after smearing (1 m) (with no thermal annealing). (A) BF₂mbm, (B) BF₂dbm, (C) BF₂nbm, (D) BF₂abm. **1-3**: λ_{ex} =369 nm; **4**: λ_{ex} =397 nm.

Table S1. Melting points obtained by a melting point apparatus.

BF ₂ bdk	m.p. ^a
BF ₂ mbm (1)	144-146
BF ₂ dbm (2)	178-180
BF ₂ nbm (3)	216-219
BF ₂ abm (4)	234-236