
Poster Presentation

[PHp1]Phosphors and Devices

Thu. Nov 28, 2019 10:40 AM - 1:10 PM Main Hall (1F)

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[PHp1-4]Electrospinning of Flexible Conjugated Polymer Nanofibers with Efficient Luminescence and Electrical Conductivity

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Keywords:electrospinning, nanofibers, luminescence

Herein, we have successfully applied direct electrospinning method to rigid copolymer F8T2. The electrospun F8T2 nanofibers exhibit high anisotropy, strong photosensitivity and remarkably improved luminescence and electrical conductivity compared to spin-coating analogue. Our work provides a promising avenue for flexible and high quality display applications. Herein, we have successfully applied direct electrospinning method to rigid copolymer F8T2. The electrospun F8T2 nanofibers exhibit high anisotropy, strong photosensitivity and remarkably improved luminescence and electrical conductivity compared to spin-coating analogue. Our work provides a promising avenue for flexible and high quality display applications.