

Internal Webinar

Thianthrene Cation Radicals as Efficient Dopants for Organic Semiconductors

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Doping of organic semiconductors (OSC) is one of the current crazes in today's material chemistry research. The search continues in both ways, either by p-doping or n-doping of an OSC. Over the years several strategies of doping with new doping agents have been adapted by several research groups across the globe with their corresponding pros and cons. Herein we are trying to establish a novel and efficient route to p-dope OSCs by employing an organic cation radical, Thianthrinium tetrafluoroborate radical. The synthesis, doping mechanism and the corresponding characterization results will be discussed.

Thursday, Oct 28th 2021

4:00 PM