



Showcasing collaborative research from Professor Nakanishi's laboratory at National Institute for Materials Science (NIMS), Warsaw University of Technology, Tokyo Institute of Technology, and Shinshu University.

Supercooling of functional alkyl- π molecular liquids

The issue of occurrence of unexpected supercooling in alkylated- π functional molecular liquids (FMLs) was carefully investigated and a method of quickly identifying which FMLs are susceptible to supercooling was designed. Finally, in order to prevent supercooling a rational molecular design strategy for optoelectronically active alkylated- π FMLs has been proposed which will greatly smooth the application of FMLs in various flexible and stretchable electronics.

As featured in:



See Takashi Nakanishi *et al.*,
Chem. Sci., 2018, 9, 6774.



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