

## Characteristics of conjugated polymer films made using nano–pressing technique

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Conjugated polymers have been extensively studied due to their promising future for organic semiconductor devices. Their major applications, to date, include organic light-emitting devices/displays, organic field effect transistors, organic solar cells, organic memory devices, etc. In these applications the conjugated polymers are used in a form of thin films (nanolayers) which are mostly prepared by simple wet coating process. Hence the property of conjugated polymer films is subject to the coating condition though further treatment such as annealing is sometimes applied. Recently we tried to improve the property of conjugated polymer films by employing nano–pressing technique. In this work we show the structural rearrangement of conjugated polymer films with different nano–pressing conditions. In particular, if space is allowed, the characteristics of organic transistors with the nano–pressed conjugated polymer films will be presented.