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Single Molecular Wire

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Deadline for manuscript
submissions:

closed (31 December 2010)

Message from the Guest Editor

Dear Colleagues,

Conjugated molecules, such as π -conjugated polymers, s-conjugated polymers, through-space conjugated polymers, their oligomers, *etc.*..., are often described as “molecular wire”, in which charges and energy are transported. In the field of molecular electronics, the molecular wire would be expected for essential parts to connect single molecular devices such as transistor and rectifier, leading to the ultimate bottom-up nanotechnology. This special issue is focused on synthesis and properties of conjugated polymers and oligomers; especially, discussions of fundamental electronic and optical characteristics of the single molecule are of importance.

Dr. Yasuhiro Morisaki

Guest Editor



mdpi.com/si/663

Special Issue



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Message from the Editor-in-Chief

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