Conductance Microscopy for Electric Conduction Study of Bio-Inspired Hybrid Nanostructures under Ambient Conditions NN1.4/C1.4
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Electrochemical Detection of Non-Labeling DNA Using Electronic Array NN1.6/C1.6

A Protein Patterning Technique and Its Application in Bio-Inspired Self-Assembly NN2.4/C2.4
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Modeling of a Rotaxane-based Molecular Device NN3.4/J6.4
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Focused Ion Beam Nano-Machined Structures for Strain Analysis by a Moiré Technique NN5.4/J8.4
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AFM-Based Electrical Characterization of Nano-Structures NN6.2/G9.2
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Dual-Probe Scanning Tunneling Microscope and a Carbon Nanotube Ring Transistor NN8.2/G14.2
Taishi Shigematsu, Hiroyuki Watanabe, Chikara Manabe, Kei Shimotani, and Masaaki Shimizu

Kei Shimotani, Hiroyuki Watanabe, Chikara Manabe, Taishi Shigematsu, and Masaaki Shimizu

The Role of Carbon Contamination in Suspended Gold Nanowires NN8.6/G14.6
Sergio B. Legoas, Douglas S. Galvão, Varlei Rodrigues, and Daniel Ugarte

Some other presentations that pertain to molecular electronics are:

Patterned Deposition From Compressed Carbon Dioxide B3.7

Formation of Single-Wall Carbon Nanotubes Forrest Assemblies on Metal Surfaces B5.4
Debjit Chattopadhyay, Izabela Galeska, and Fotios Papadimitrakopoulos

Microscopic Study of Electrical Transport Through Single Molecules With Metallic Contacts: Organic Molecules and Finite Carbon Nanotube B6.8
Yongqiang Xue and Mark A. Ratner

Correlation of Substituent Parameter Values to Electronic Properties of Molecules B9.63
Natalie Carroll, Nikita Matsunaga, and Karl Sohlberg

Assembly of Gold Nanoparticles on DNA Strands C9.4
Michael Noyong, Kirsten Gloddek, Ulrich Simon

Electric Field and Charged Molecules Mediated Self-Assembly for Electronic Devices C11.17
SangWoo Lee, Helen A. McNally, and Rashid Bashir

An Organic FET Structure for Unconventional Substrates D4.6
Annalisa Bonfiglio, Fulvia Mameli, Ornella Sanna, and Laurence Lutsen

Organic Transistor Sensors and Memory Elements Fabricated via Solution Deposition D4.7

Covalently-Linked Adducts of Single-Walled Nanotubes With Biomolecules: Synthesis, Hybridization, and Biologically-Directed Surface Assembly F4.6
Sarah E. Baker, Tami L. Lasseter, Lloyd M. Smith, and Robert J. Hamers
Nanoscale Organic Electronic Devices Formed by Lamination With Stamps F5.4
Jana Zaumseil, Takao Someya, Zhenan Bao, Yueh-Lin Loo, Kirk Baldwin, Raymond Cirelli, and John A. Rogers

Site-Specific Cross-Sectioning of Carbon Nanotube-to-Metal Junctions for High Spatial Resolution Chemical and Structural Analysis G7.30
K. Dovidenko, N.L. Abramson, and J. Rullan

Influence of Substrate on In-Plane Electrical Conductivity of CuPc Nano-Crystals G8.11
Masakazu Nakamura, Masatoshi Watanabe, Tsuyoshi Maruyama, Masaaki Iizuka, and Kazuhiro Kudo