

Abstract Submitted
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Towards Fully Organic Tunnel Junctions BRIDGER ANDERSON,
TONY CARUSO, MUNIR KADERBHAI, CNSE — Quantum mechanical tunneling
through ultrathin (25 Å) insulating materials has been experimentally verified since
the 1950's. Only recently, has tunneling through organic based materials and single
molecules occurred from inorganic metallic injectors. We present here our effort
focused on fabrication and characterization of an all organic tunnel junction where
the injector is a conducting polymer and discuss the subtle difference which stem
from polaronic metal.

Bridger Anderson
CNSE

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