

Dynamically Tuneable Conducting Polymer Nanooptics

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Abstract

I will present our recent research showing that organic conducting polymers can be used as a new type of materials for dynamically tuneable nanooptics, including chemically and electrically controlled plasmonic nanoantennas.^{1,2}

References:

1. Conductive polymer nanoantennas for dynamic organic plasmonics
S. Chen et al. **Nature Nanotechnology** 2020, 15, 35-40
2. Electrical Tuning of Plasmonic Conducting Polymer Nanoantennas
A. Karki, et al. **Advanced Materials** 2022, 2107172