Nongjian(NJ) Tao
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NJ Tao joined the ASU faculty as a professor of electrical engineering and an affiliated professor of chemistry and biochemistry in August 2001. Before that, he worked as an assistant and associate professor at Florida International University. He has 10 patents, published over 200 refereed journal articles, and given over 200 invited and keynote talks worldwide. He is elected fellow of AAAS, and America Physical Society. His current research interest includes mobile health devices, chem- and bio-sensors, molecular and nano-electronics.

Honors and Distinctions:

Alexander von Humboldt Senior Research Award
Hellmuth Fisher Medal
National Science Foundation Two-Year Extension for Special Creativity
Excellence in Research Award, Florida International University
AzTE Innovatorof the Year
Molecular Imaging Young Microscopist

Selected Publications

- I. Diez-Perez, J. Hihath, T. Hines, Z.S. Wang, G. Zhou, K. Müllen, and N.J. Tao, "Controlling Single Molecule Conductance through Lateral Coupling of π-orbitals", **Nature Nano**, 6, 226-231(2011).
- W. Wang, K. Foley, X.N. Shan, S.P. Wang, S. Eaton, V. J. Nagaraj, P. Wiktor, U. Patel and N.J. Tao, Electrochemical Impedance Microscopy Based on Plasmonics: A Study of Single Cells and Intracellular Processes", **Nature Chem**., 3, 6, 226-231(2011).
- I. Diez-Perez, Z.H. Li, J. Hihath, J. H. Li, C.Y. Zhang, X.M.Yang, L. Zang, Y. J. Dai, X. L. Feng, K. Muellen and N.J. Tao, "Gate-Controlled Electron Transport in Coronenes: Bottom-up Approach Towards Graphene Transistors", **Nature Communication**, 1, 31(2010).
- X. Shan, U. Patel, S. Wang, R. Iglesias, N. J. Tao, "Imaging Local Electrochemical Current Via Surface Plasmon Resonance", **Science**, 327, 1363-1366(2010).
- S.P. Wang, X.N. Shan, U. Patel, X.P. Huang, J. Lu, J.H. and Li, N.J. Tao, "Label-free imaging, detection and mass measurement of single viruses by Surface Plasmon Resonance", **Proc. Natl Acad. Sci.**, 107, 16028-16032(2010).
- J.L. Xia, F. Chen, J.H. Li and N.J. Tao, "Measurement of Quantum Capacitance of Graphene", **Nature Nano.**, 4, 505-509(2009).

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