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EDUCATION

BS (Physics) Fudan University, Shanghai, China May 1999

MA (Physics) Columbia University, New York May 2001

PhD (Physics) Columbia University, New York Oct. 2004
Thesis: Optical Spectroscopy of Nano-structures with femtosecond laser pulses.
Adviser: Tony Heinz

PROFESSIONAL EXPERIENCE

Miller Research Fellow University of California, Berkeley Aug. 2005 – Jul. 2007

Assistant Professor University of California, Berkeley Jul. 2007 – Jun 2011

Associate Professor University of California, Berkeley Jul. 2011-present

Faculty Investigator Materials Science Division, Lawrence Berkeley Lab, July 2009-Present

HONORS

2004: Charles Townes Fellowship, Columbia University
2005: Miller Fellow, University of California, Berkeley
2008: Alfred P. Sloan Research Fellow
2008: Outstanding Young Researcher Award, Overseas Chinese Physics Association
2009: NSF CAREER Award
2009: International Union of pure and Applied Physicists (IUPAP) C10 Young Scientist Prize
2010: DOE Early Career Award
2010: Hellman Family Faculty Award
2010: Packard Fellow
2011: The Presidential Early Career Award for Scientists and Engineers

SELECTED PUBLICATION LIST

1. M.Y. Sfeir *, F. Wang *, L. Huang, C.C. Chuang, J. Hone, S.P. O'Brien, T.F. Heinz, and L.E. Brus, "*Probing Electronic Transitions in Individual Carbon Nanotubes by Rayleigh Scattering*," Science, **306**, 1540 (2004).

2. F. Wang *, G. Dukovic *, L.E. Brus, and T.F. Heinz "*The optical resonances in carbon nanotubes arise from excitons*", Science, **308**, 838 (2005).

3 M.Y. Sfeir, T. Beetz, F. Wang, L.M. Huang, X.M.H. Huang, M.Y. Huang, J. Hone, S. O'Brien, J.A. Misewich, T.F. Heinz, L.J. Wu, Y.M. Zhu and L.E. Brus, "*Optical Spectroscopy of Individual Single-Walled Carbon Nanotubes of Defined Chiral Structure*", Science, **312**, 554 (2006).

4. F. Wang, J. Shan, I.A. Mohammad, I.P. Herman, M. Bonn and T.F. Heinz, "*Exciton Polarizability in Semiconductor Nanocrystals*", Nature Materials, **5**, 861 (2006).

5. F. Wang and Y.R. Shen, "*General Properties of Local Plasmons in Metal Nanostructures*", Phys. Rev. Lett. **97**, 206806 (2006)

6. F. Wang, Y. Zhang, C.S. Tian, C. Girit, A. Zettl, M.F. Crommie, Y.R. Shen, " *Gate-Variable Optical Transitions in Graphene*", Science, 320,206 (2008)

7. Y. Zhang, T.T. Tang, C. Girit, Z. Hao, M.C. Martin, A. Zettl, M.F. Crommie, Y.R. Shen and F. Wang, " *Direct Observation of a Widely Tunable Bandgap in Bilayer Graphene*", Nature, **459**, 820 (2009)

8. C.F. Chen, C.H. Park, B. Geng, B.W. Boudouris, C. Girit, M. Crommie, A. Zettl, R. Segalman, S. Louie, and F. Wang "Control Inelastic Light Scattering Quantum Pathways in Graphene", Nature 471, 617 (2011).

9. Ming Liu, Xiaobo Ying, Erick Ulin-Avila, Baisong Geng, Thomas Zentgraf, Long Ju, Feng Wang*, and Xiang Zhang*, " A graphene-based Broadband Optical Modulator", Nature, 474, 64, (2011)

10. J. Long, B. Beng, J. Horng, C. Girit, M. Martin, Z. Hao, H.A. Bechtel, X.G. Liang, A. Zettl, Y.R. Shen, F. Wang, "Graphene Plasmonics for Tunable Terahertz Metamaterials", Nature Nanotech, 6, 630, (2011)

11. Kaihui Liu, Jack Deslippe, Fajun Xiao, Rodrigo B. Capaz, Xiaoping Hong, Shaul Aloni, Alex Zettl, Wenlong Wang, Xuedong Bai, Steven G. Louie, Enge Wang, and Feng Wang, "An Atlas of Carbon Nanotube Optical Transitions", Nature Nanotech, 7, 325-329. (2012)