Selected Published Papers

1. **Lijun Yang**, D. Abramavicius, and S. Mukamel, *"Signatures of Three-exciton Correlations in the Coherent and Incoherent Nonlinear Optical Response of Photosynthetic Complexes,"* **New J. Phys. 12, 065046 (2010).**
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2. **Lijun Yang** and Shaul Mukamel, *Dissecting quantum pathways in two-dimensional correlation spectroscopy of semiconductors*, **J. Phys.: Condens. Matter, 20, 395202 (11 pages) (2008).**
   https://mukamel.ps.uci.edu/publications/pdfs/615.pdf

3. **Lijun Yang** and Shaul Mukamel, *Revealing exciton-exciton couplings in semiconductors by multidimensional four wave mixing signals*, **Phys. Rev. B., 77, 075335 (11 pages) (2008).**
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4. **Lijun Yang** and Shaul Mukamel, *Two-dimensional correlation spectroscopy of two-exciton resonances in semiconductor quantum wells*, **Phys. Rev. Lett., 100, 057402 (4 pages) (2008).**
   https://mukamel.ps.uci.edu/publications/pdfs/573.pdf

5. **Lijun Yang**, Igor Schweigert, Steven T. Cundiff and Shaul Mukamel, *Two-Dimensional Optical Spectroscopy of Excitons in Semiconductor Quantum Wells: Liouville-Space Pathways Analysis*, **Phys. Rev. B 75, 125302 (15 pages) (2007)**.
   https://mukamel.ps.uci.edu/publications/pdfs/557.pdf

6. **Lijun Yang** and M. M. Dignam, *Nonlinear Ultrafast Optical Absorption and Pump-Probe Spectroscopy in Biased Semiconductor Superlattices*, **Phys. Rev. B 73, 035334 (8 pages) (2006).**
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7. **Lijun Yang** and Marc M. Dignam, *Self-generated Bloch Oscillations in Biased Semiconductor Superlattices*, **Phys. Rev. B 73, 075319 (8 pages) (2006).**
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8. **Lijun Yang**, Ben Rosam, and Marc M. Dignam, *Density-Dependent THz Emission in Biased Semiconductor Superlattices: from Bloch Oscillations to Plasma Oscillations*, **Phys. Rev. B 72, 115313 (12 pages) (2005).**
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9. Ben Rosam, Karl Leo, **Lijun Yang**, and Marc M. Dignam, *Terahertz Generation by Difference Frequency Mixing of Excitonic Wannier-Stark Ladder States in Biased Semiconductor Superlattices*, **Appl. Phys. Lett. 85, 4612 (3 pages) (2004).**
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10. **Lijun Yang**, Ben Rosam, Jean-Marc Lachaine, Karl Leo, and Marc M. Dignam, *Intraband Polarization and THz Emission in Biased Semiconductor Superlattices with Full Excitonic Basis,* **Phys. Rev. B 69, 165310 (12 pages) (2004).**
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11. Aizhen Zhang, **Lijun Yang**, and Marc M. Dignam, *Influence of Excitonic Effects on Dynamic Localization in Semiconductor Superlattices in Combined dc and ac Electric Fields***, Phys. Rev. B 67, 205318 (7 pages) (2003).**
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