# Selected Publications

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).**

<https://iopscience.iop.org/article/10.1088/1367-2630/12/6/065046>

1. **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>

1. **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).**

<https://mukamel.ps.uci.edu/publications/pdfs/585.pdf>

1. **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>

1. **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>

1. **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)**](http://scitation.aip.org/getabs/servlet/GetabsServlet?prog=normal&id=PRBMDO000073000003035334000001&idtype=cvips&gifs=yes)**.**

<https://journals.aps.org/prb/abstract/10.1103/PhysRevB.73.035334>

1. **Lijun Yang** and Marc M. Dignam, *Self-generated Bloch Oscillations in Biased Semiconductor Superlattices***,** [**Phys. Rev. B 73, 075319 (8 pages) (2006)**](http://scitation.aip.org/getabs/servlet/GetabsServlet?prog=normal&id=PRBMDO000073000007075319000001&idtype=cvips&gifs=Yes)**.**

<https://journals.aps.org/prb/abstract/10.1103/PhysRevB.73.075319>

1. **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)**](http://scitation.aip.org/getabs/servlet/GetabsServlet?prog=normal&id=PRBMDO000072000011115313000001&idtype=cvips&gifs=Yes)**.**

<https://journals.aps.org/prb/abstract/10.1103/PhysRevB.72.115313>

1. 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)**](http://scitation.aip.org/getabs/servlet/GetabsServlet?prog=normal&id=APPLAB000085000020004612000001&idtype=cvips&gifs=Yes)**.**

<https://aip.scitation.org/doi/10.1063/1.1819508>

1. **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)**](http://scitation.aip.org/getabs/servlet/GetabsServlet?prog=normal&id=PRBMDO000069000016165310000001&idtype=cvips&gifs=Yes)**.**

<https://journals.aps.org/prb/abstract/10.1103/PhysRevB.69.165310>

1. 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)**](http://link.aps.org/abstract/PRB/v67/e205318)**.**

<https://journals.aps.org/prb/abstract/10.1103/PhysRevB.67.205318>